English

BlackBoxer®

knows who's done it.

User manual

DRIVE & PARK PROTECTED.

Content

Before using 4

Product 5

Main features 6

Caution 7

Setting 9

Software Setting 14

Installation 23

Package 26

Specifcation 27

Before using

Thank you for using our product.

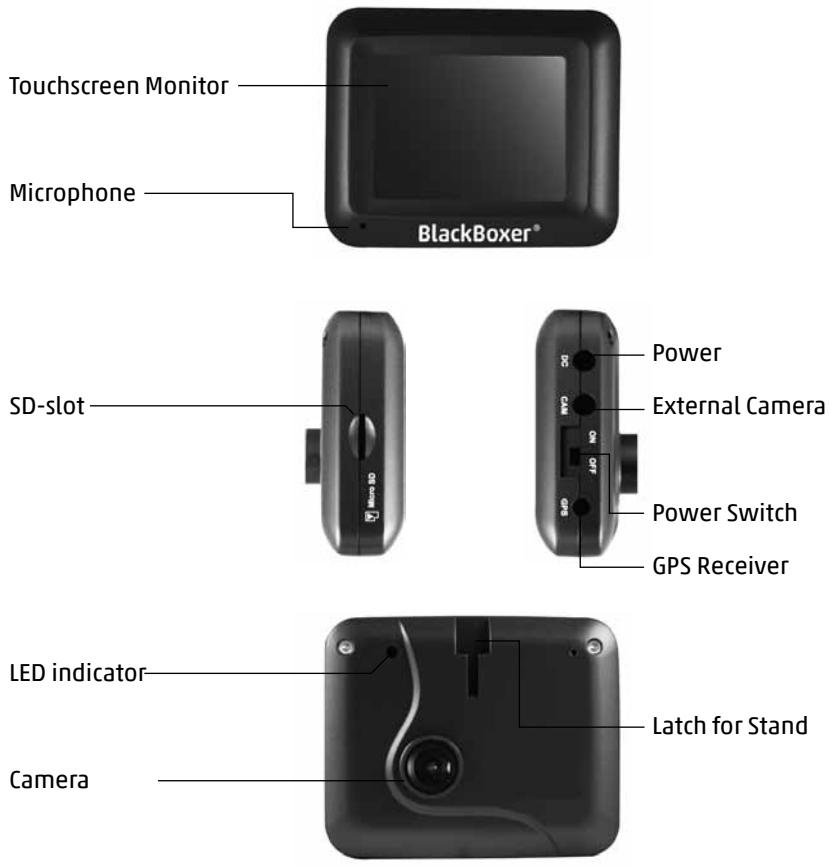
Please read and understand content within this manual before you use product.

Warranty Service and Responsibility

The incorrect installation or utilization could cause damage to device or user. We shall not be liable for result, incidental damages or other losses that incurred by user in relation with user's mistake to obey the information and instructions contained herein.

The product is designed to record, store, play and analyzes videos caused by impacts but we do not guarantee the product records every event without missing. Furthermore, If the impact is too weak, the vibration sensor may not be able to detect the impact, which induces that the system will be unable to automatically start recording the video file. The information within this manual may change without notice due to technical changes or upgrades.

Product



Main features

2 channel cameras
Expand recording range. 2 channel cameras record front and rear view of the vehicle.

2.4 LCD touch panel
View your recorded file immediately by using touch panel function.

G-Sensor
Storages impact data when G-sensor activated. The Viewer software analyzes data and show on shock graph. The x-y-z axis graph displays the impacted direction of the vehicle.

Loop recording
If the SD is full, oldest data will be erased and overwritten by the new data.

Event record
When an event occurs caused by sharp breaking, rapid acceleration, excessive cornering or sudden impact, saves the recorded video.

Parking mode (optional)
Auto start parking mode when turned off the vehicle.

GPS data logger (optional)
Receive GPS signal and show on the map.

Caution

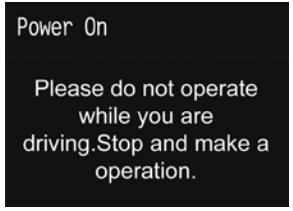
1. Do not disassemble, repair, or alter the product. If malfunctions, errors, or product damage are found to be attributable to a user, a user may not be eligible for warranty service.
2. Do not spray water directly on to the product. It may cause dama ge to the product, fire or cause an electric shock.
3. Keep the device away from chemicals or detergents as they may change the surface and damage the product.
4. Avoid excessive impact and do not insert any object into the de vice. It may cause damage to the product.
5. Please keep the lens clean and clear. If other objects are placed around the camera, they may be reflected on the window and included in the video images. Please do not leave unnecessary objects around the device.
6. Please ensure the product is installed tightly and do not move the device after installation.
7. Please ensure you use the power cable provided in the package. Other power cables may cause damage to the product, fire or cause electric shock.
8. Do not control or operate the device with wet hands - it may cause electric shock.
9. Do not try to operate ,and download events etc while driving.
10. Connect external camera while power is off

Caution

11. Keep the distance from product that could emit electromagnetic waves such as GPS navigation device or cell phone. The electro magnetic waves would affect record quality.

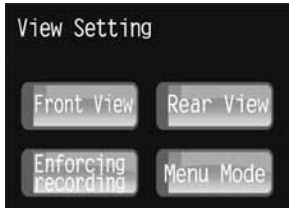
12. If a damaged or a non-authentic SD card is used, the recorded data maybe damaged or will not record.

Setting



Power

NO SD card



Touch the LCD to enter system setting page.

Front View
Display the view of front camera.

Rear View
Display the view of rear camera.

Main Menu

System stop recording data when enter main menu.
Show as figure at left.

Main menu page

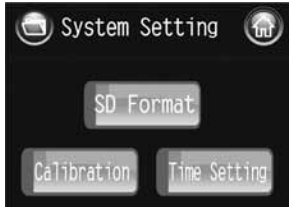
Enter main menu page.

Play recording

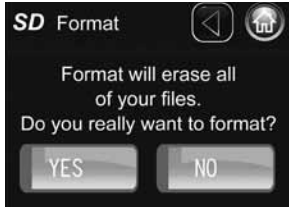
Select **Drive file**
than select front camera or rear camera to show file list.
Choose the file to play the video.

Select **Event file**
than select front camera or rear camera to show file list.
Choose the file to play the video.

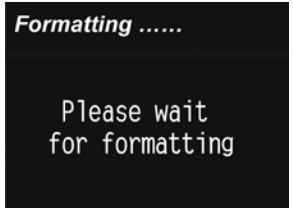
Select **Park files**
than select front camera or rear camera to show file list.
Choose the file to play the video

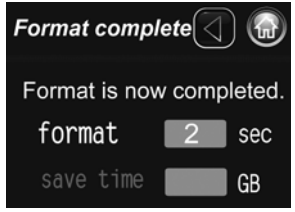


System Setting

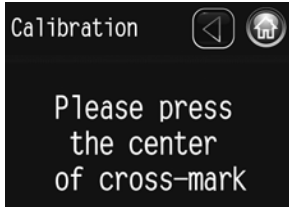


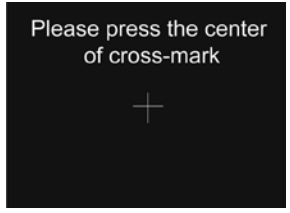
SD format





Complete SD format





Calibration

Time Setting

Tap key number to change the date and time.

Setting

Choose device setting

Sensitivity setting

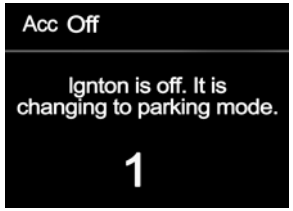
Mute:
On/Off

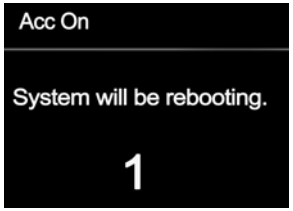
Park mode:
(Volume of usage)

Reboot
Change the volume of usage will show message as left
Please reboot DVR.

Start Recording
Quit main menu will show as message as below then start recording.

Setting





Parking:
Auto start parking mode when turned off the vehicle

Back Home

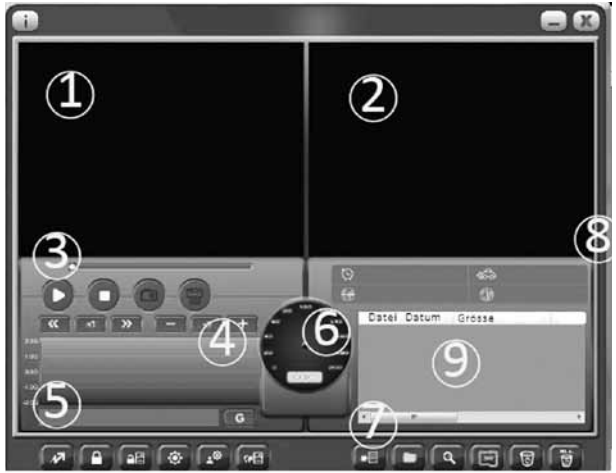
Standby mode

1. Time

2. GPS: On/Off

3.Microphone: On /Off

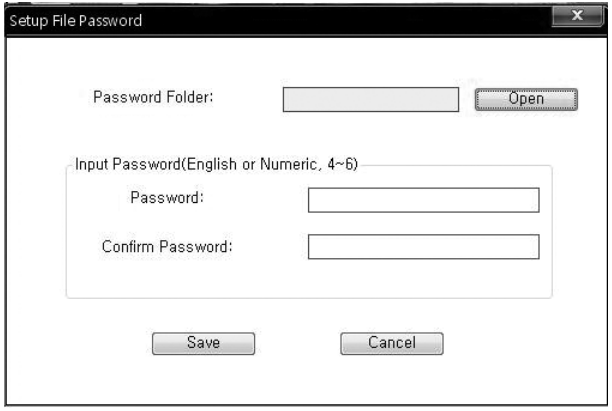
4. Recrd: On / Off



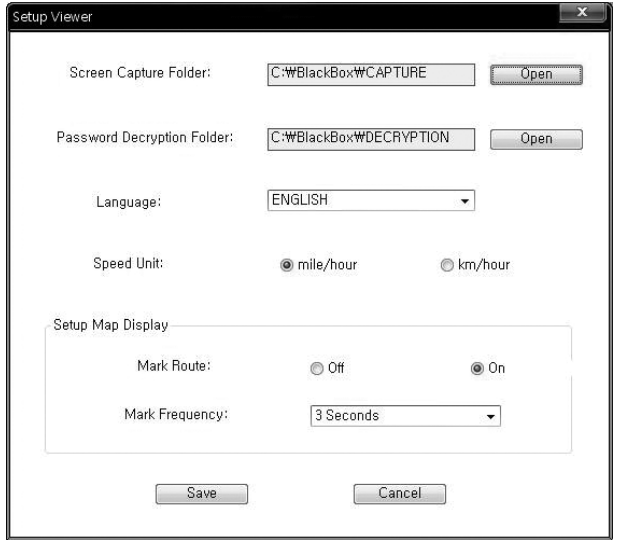
1. Main camerar
2. Rear Camerar
3. Play option
4. Speed/Acceleration
5. Speed /G-sensor value
6. Display time
7. File setting
8. File time/Longitude Latitude
9. File router

Software Setting

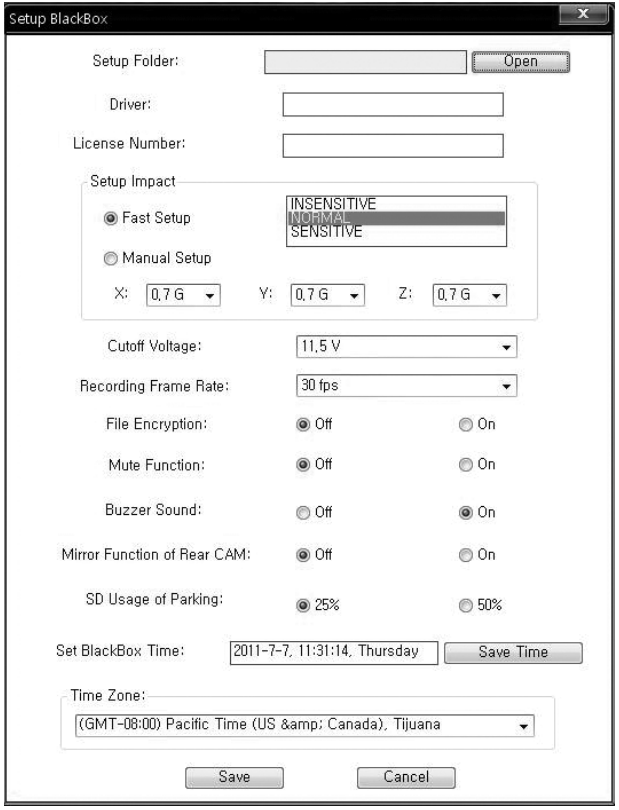
- Software Version
- Minimize
- Quit
- Play file
- Pause
- Stop
- Capture map information (*.BMP)
- Video Screen shot(*JPG)
- Print screen
- Forward/Backward
- Volume up/down
- Speed /G-sensor value
- Video play mode/GPS Driving mode
- Encode the video. Must connect SD to PC
- Decode the video then save the file
- Viewer environment setting
- User setting
- GPS Information
- Event report
- Open file
- Search file
- Download SD data
- Dele file
- Dele all data
- Must use dedicated software to play encoded file.



1. Take out SD card than connect to PC
2. Set file route for password folder
3. Input password: (English or Number 4-6)
4. Confirm password:
   rekey in the password to confirm password

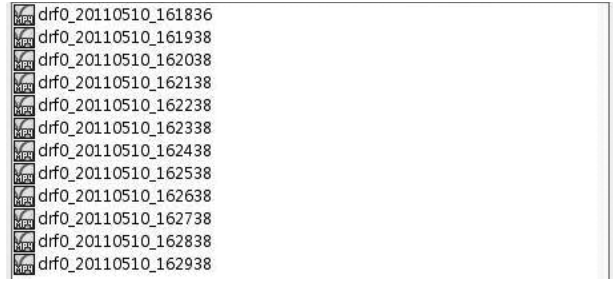


1. Save photo of screen shot
2. Save the video after Decrypted
3. Select language
4. Change Speed unit
5. Display driving route
6. Set time interval of the route



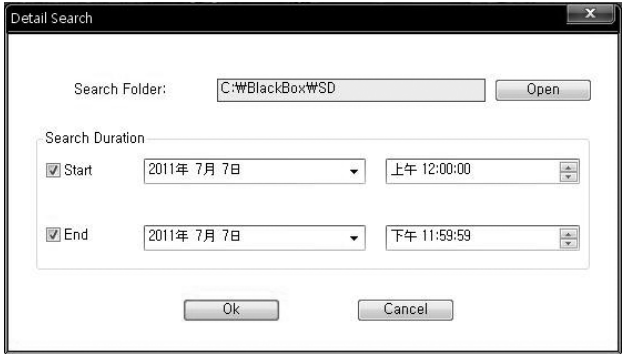
1. Set the file route
2. Set drive name
3. Set license number
4. Impact setting, Fast setup/manual Setting
5. FPS setting
6. Set the password to file
7. Mute function On/Off
8. Mirror function On/Off
9. The SD usage of parking mode
10. Time setting: synchronize time with PC
11. Time Zone setting

Open file



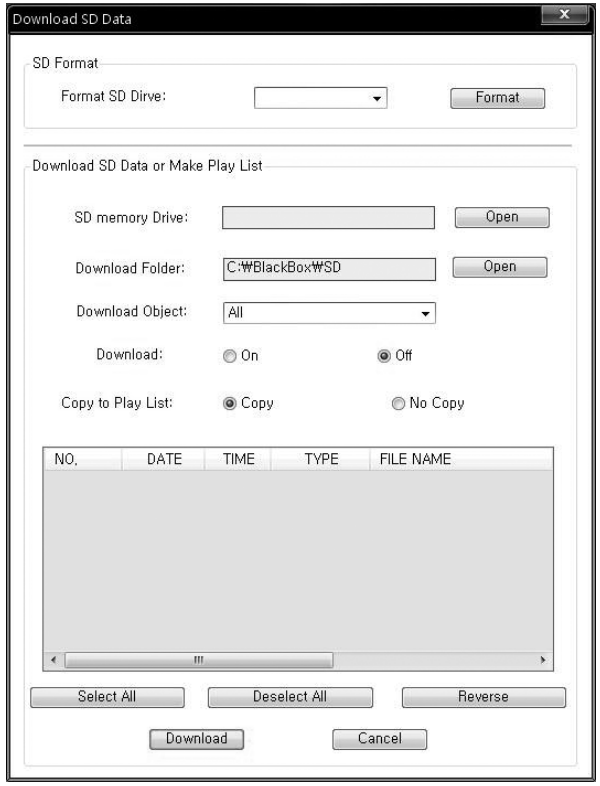
1. Click Open file then choose SD card
2. **BlackBoxer**: loop recording file
3. **Event:** recording file
4. **Parking:** Parking mode file

Search File



1. Search folder that wanted
2. Select date and time

Download SD data



2. Download Folder: Save data to assigned route
3. Download Object: Select download file type

Software Setting

Video play mode/GPS Driving mode

1. Video play mode or GPS Driving mode in main menu
2. Click to open GPS driving file
3. Select Setup folder in the SD card then click “data file“
4. The software shows the map, and displays the vehicle.
5. Click “Start“ to start driving simulator.
6. Click “Pin“ to put the mark on the driving route.

Installation Caution

Installation

1. Park the vehicle at a bright and flat location and ensure the engine is turned off before installation.
2. Check your package before start installation
3. Install great location on the screen which won‘t hinder driver during the driving.
4. When enters or exits tunnel the light would sudden changed, the recorded file may not to be satisfactory condition.
5. If the screen of the car is tinted or dirty, the recorded image may be poor or distorted.
6. Do not eject SD card while the product is on, the recorded data may be damaged.
7. Backup your data frequently to keep your data safe

Installation

1

Clear the surface of the screen.

2

Peel off tape cover then attach stand on the screen.

3

Plug in car charger.

4

Mount rear camera firm.

Installation

5

Input the power, and wiring.

6

Completed.

Package

The package item could be changed without notice

V12

Sticker

Mount

External camera+
extension cord

Car charger

Manual CD

GPS(Optional)

GPS(Optional)

SD(optional)

Specification

System	Power	DV 12V~24V
	Dimension	L 79 X W 64.6 X H24.5 mm (Main unit)
		L 57.3 X W 33.6 X H21.5 mm
	Capacity Device	Mico SD Card [Max 32G SDHC support]
	G-Sensor	3 Axis (X-Y-Z)
	GPS	External GPS
LCD	Size	2.4 TFT LCD
	Resolution	320 x 240(RGB)
	Touch Screen	Yes
	Operating Temperature	-20 C~ 60 C
	Storage Temperature	-30C ~ 70 C
1 st camera	Resolution	VGA(640x480) / CMOS (3.2 Mpixels)
	Angle	110 degrees
2nd camera	Resolution	VGA(640x480) / CMOS (3.2 Mpixels)
	Output	NTSC
	Angle	110 degrees
Video	Resolution	640x480(VGA)
	Method	H.264
	FPS	30 fps (1ch)
		15 fps (2ch)
Audio	Microphone	Yes

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